SEQUENCE LISTING

<110> Kaneka Corporation
<120> Three-dimensional structure of decarbamilase and the use thereof
<130> J199247416

<140>ND
<141>1999-08-31

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<170> PatentIn Ver. 2.0

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<213> Agrobacterium sp.

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Leu Thr Thr Phe Phe Pro Arg Trp His Phe Thr Asp Glu Ala Glu Leu
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Asp Ser Phe Tyr Glu Thr Glu Met Pro Gly Pro Val Val Arg Pro Leu
65 70 75 80

Phe Glu Lys Ala Ala Glu Leu Gly Ile Gly Phe Asn Leu Gly Tyr Ala
85 90 95

Glu Leu Val Val Glu Gly Gly Val Lys Arg Arg Phe Asn Thr Ser Ile
100 105 110

Leu Val Asp Lys Ser Gly Lys Ile Val Gly Lys Tyr Arg Lys Ile His
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Leu Pro Gly His Lys Glu Tyr Glu Ala Tyr Arg Pro Phe Gln His Leu
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Glu Lys Arg Tyr Phe Glu Pro Gly Asp Leu Gly Phe Pro Val Tyr Asp
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Glu Leu Val Val Glu Gly Gly Val Lys Arg Arg Phe Asn Thr Ser Ile
100 105 110

Leu Val Asp Lys Ser Gly Lys Ile Val Gly Lys Tyr Arg Lys Ile His
115 120 125

Leu Pro Gly His Lys Glu Tyr Glu Ala Tyr Arg Pro Phe Gln His Leu
130 135 140

Glu Lys Arg Tyr Phe Glu Pro Gly Asp Leu Gly Phe Pro Val Tyr Asp
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Val Asp Ala Ala Lys Met Gly Met Phe Ile Cys Asn Asp Arg Arg Trp
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Pro Glu Ala Trp Arg Val Met Gly Leu Arg Gly Ala Glu Ile Ile Cys
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Gly Gly Tyr Asn Thr Pro Thr His Asn Pro Glu Val Pro Gln His Asp
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His Leu Thr Ser Phe His His Leu Leu Ser Met Gln Ala Gly Ser Tyr
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Gln Asn Gly Ala Trp Ser Ala Ala Ala Gly Lys Ala Gly Met Glu Glu
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Asn Cys Met Leu Leu Gly His Ser Cys Ile Val Ala Pro Thr Gly Glu
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Ile Val Ala Leu Thr Thr Thr Leu Glu Asp Glu Val Ile Thr Ala Ala
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Val Asp Leu Asp Arg Cys Arg Glu Leu Arg Glu His Ile Phe Asn Phe
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Lys Gln His Arg Gln Pro Gln His Tyr Gly Leu Ile Ala Glu Leu
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Val Asp Ala Ala Lys Met Gly Met Phe Ile Cys Asn Asp Arg Arg Trp
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Pro Glu Ala Trp Arg Val Met Gly Leu Arg Gly Ala Glu Ile Ile Cys
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Gly Gly Tyr Asn Thr Pro Thr His Asn Pro Pro Val Pro Gln His Asp
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His Leu Thr Ser Phe His His Leu Leu Ser Met Gln Ala Gly Ser Tyr
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Gln Asn Gly Ala Trp Ser Ala Ala Ala Gly Lys Val Gly Met Glu Glu
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Asn Cys Met Leu Leu Gly His Ser Cys Ile Val Ala Pro Thr Gly Glu
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Ile Val Ala Leu Thr Thr Thr Leu Glu Asp Glu Val Ile Thr Ala Ala
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35 40 45

Leu Thr Thr Phe Phe Pro Arg Trp Tyr Phe Thr Asp Glu Ala Glu Leu
50 55 60

Asp Ser Phe Tyr Glu Thr Glu Met Pro Gly Pro Val Val Arg Pro Leu
65 70 75 80

Phe Glu Lys Ala Ala Glu Leu Gly Ile Gly Phe Asn Leu Gly Tyr Ala